

CLAIMS

1. A databus controller arrangement for controlling data flow on a databus (12), said databus connecting at least one receiver unit (11) to one or several transmitter units (10),
5 characterized in
that said arrangement, being a part of said receiver unit (11), controls said flow, specially an overflow, on said databus by outputting a control data sequence on said databus to be received by said transmitting units, which alter transmission mode upon reception of said control data sequence.
- 10 2. The arrangement of claim 1,
characterized in
that said transmission on said databus uses a High-level Data Link Control (HDLC) protocol.
- 15 3. The arrangement of claim 1 or 2,
characterized in
that said data sequence comprises logical zeros (0) or ones (1).
- 20 4. The arrangement according to any of claims 1-3,
characterized in
that several receiver units are arranged and that each receiver unit (40) comprises a processing unit (41), a memory unit (42), a bus driver (43) and a logical unit (44).
- 25 5. The arrangement of claim 4,
characterized in
that said receiver unit is connected to uplink databus (45) and that a stop signal (46) is directly connected to said uplink, whereby said logic unit (44) guarantees that said stop signal is only allowed between data frames.
- 30 6. The arrangement of claim 5,
characterized in
that said logic unit is arranged to monitor the received data traffic and control the stop signal from said processing unit, such that said control data sequence is output only when
35 the bus is inactive.
7. The arrangement according to any of claims 1-6,
characterized in
that said transmission mode comprises one of transmission or blocked transmission.

8. A method for controlling dataflow on a databus, especially for avoiding reception problems by a receiver unit, said databus (12) connecting at least one receiver unit (11) to one or several transmitter units (11), the method comprising the steps of transmitting by
5 said receiver unit on said databus a control data sequence to be received by said transmitting units, which alter a transmission mode upon reception of said control data sequence.
9. The method of claim 8, wherein said transmission on said databus uses a collision
10 detection mechanism.
10. The method of claim 8 or 9, wherein said transmission on said databus uses a High-level Data Link Control (HDLC) protocol.
- 15 11. The method according to any of claims 8 - 10, wherein said data sequence comprises logical zeros (0) or ones (1).
12. The method according to claim 8, wherein when the data traffic on said databus becomes so high that said receiver unit cannot handle the data, said data sequence is
20 Inserted in a data frame, such that when a transmitter unit, sending on said databus, receives the sequence it stops sending data.
13. The method according to claim 8, wherein said transmitter stops sending data when it has transmitted its first logical one or zero.
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14. The method according to claim 13, wherein the transmission from a transmitter unit is stopped as long as the receiver unit outputs a different control data sequence on the databus, so that the transmitter units retransmit a stopped data message.
- 30 15. The method according to any of claims 8-14, wherein said transmission mode comprises one of transmission or blocked transmission.